

# The Coconino Sun.

VOL. XXIV

FLAGSTAFF, ARIZONA, THURSDAY, MAY 9, 1907.

No. 19

## LOWELL EXPEDITION

To South America for the Purpose of Observing Mars on Her Opposition

Prof. David Todd, director of the Amherst college observatory, has been appointed by Prof. Percival Lowell, professor of astronomy at the Massachusetts institute of technology and director and owner of the famous Lowell observatory at Flagstaff, Ariz., to take charge of the Lowell expedition to the Andes for observing Mars on her near opposition to the earth this summer. The planet in July will be nearer to the earth than for several years, and in the southern hemisphere will be overhead where there will be less trouble caused by refraction. Also in the heights of the Andes unsteady atmospheric conditions and tremors, foes to all accurate astronomical work, will be to a great extent overcome. The exact site for the work has not been decided upon, but it will probably be either in the high Andes of Peru or in the desert regions of northern Chili.

The expedition will sail from New York city on the steamship Panama May 1, a few days will be spent on the isthmus investigating canal conditions, and then passage will be taken from the western coast on the Pacific coast steamship line which plies down the west coast of South America. Most of June will be spent in visiting different available places and selecting a site for the work. Among the places to be visited are Oruro in Central Bolivia, Puno on Lake Titicaca, Peru, and other places on the lake, Oroya in central Peru, and Quito in Ecuador. On July 10 observations will be made of the annular eclipse of the sun, which occurs at that time, and is visible in the southern hemisphere. This will not be the real purpose of the expedition, but an interesting feature of it. Observations made of this will be sent to Prof. Simon Newcomb in Washington, who will use them in perfecting his researches in regard to the motion of the moon, which he is making for the Carnegie institute. Mrs. Todd will accompany Prof. Todd, and E. C. Slipper, the expert photographer of the Lowell observatory, will attend to look after the photographic work, and Albert G. Ilse of the firm of Alvan Clark and Sons of Cambridge will accompany the expedition as chief mechanic and instrument maker. It is probable that the party may include two others. Prof. Todd is busy getting together apparatus and arranging the details for the work. He will take with him the large 18-inch Amherst observatory telescope and a great deal of other apparatus from the Amherst observatory. Most of the observations will be made in July and August, and the return will be made about the middle of September.

During the past few weeks Prof. Todd has been in Washington perfecting the official details for the expedition. He has been in consultation with Secretary Taft, and has received from him letters to the officials at the canal, which will give a chance as far as time will allow for the party to study conditions there. Among others interviewed were Gen. Clarence R. Edwards, John Barrett, Prof. Simon Newcomb and the ministers of China, Peru, Chili and Bolivia at Washington. Prof. Lowell, who is

sending the expedition, is at Flagstaff, Ariz., where he is studying as the planet and the earth are approaching closer. He has at his disposal the famous 24-inch telescope, and from the height of 7,000 feet above sea level is getting good results. He, with the possible exception of Schiaparelli of Italy, is the best authority on Mars in the world. These two astronomers first advanced the canal theories, and it is these problems about Mars and the ice caps which Prof. Lowell is studying at present in Arizona and Prof. Todd is to study in South America. Prof. Lowell expects that by sending out this expedition his own work will be greatly supplemented and be more valuable. During his absence Prof. John E. Ostrander of the agricultural college will have charge of the astronomy department.

### An Important Ruling

Judge Kent this morning in the case of Bonner against Silva, an action for waste by the owner of school lands, decided that the owner of school lands had no right of action against his tenant for waste committed by him. This is of no little importance to the owners of school lands, whose improvements are leased to tenants, as it seemingly gives to the tenant the right to remove any and all improvements upon school lands, including all trees and buildings, and apparently the owner has no remedy. It would seem from the decision that the owner of such lands must keep them in his actual possession or suffer the risk of having all his improvements destroyed without redress—Arizona Democrat.

### To Prevent Vandalism

"The Petrified Forest, in the northern part of the Territory, and Montezuma's Castle, on Beaver Creek, in Yavapai county, have recently been placed under my charge, and in accordance with my instructions, I intend to do everything in my power as an officer for the preservation of these national monuments," said Frederick C. Dezen-dorf, chief of the special agents of the United States land office. "Vandalism in the way of unauthorized exploration, excavation or removal of any of the relics of these places must stop," he said, "and all special agents have instructions to enforce the law and the regulations of the department governing this."

Mr. Dezen-dorf, whose headquarters are in Santa Fe, N. M., accompanied by Special Agent Frank Thompson of Phoenix, has been in Prescott several days, investigating land and mining transactions and unlawful fences on the public domain, which, according to the President's orders, should be down after April 1.

They also have charge of the register and receiver's offices of the general land office of the United States in Arizona and New Mexico.—Tucson Citizen.

A meeting of the citizens of Flagstaff has been called by Mayor Verkamp, to be held at the court house tonight for the purpose of making arrangements for the celebration of the Fourth of July. Flagstaff ought to have a big celebration this year, and there should be a good attendance at the meeting tonight.

## THE FOREST RESERVES

Privileges Which Have Lately Been Granted Arizonians for Various Purposes

The following privileges have been granted on national forests in Arizona:

Mt. Graham National Forest—J. D. and Marion Lee were granted a permit to construct and maintain a corral, enclosing about one-fourth of an acre, for the purpose of handling stock.

Santa Rita National Forest—Bertram L. Hitch of Tucson, Arizona, was granted a permit to construct and use a dam, reservoir and pipe line, for the purposes of developing his placer mining claims, irrigating land and watering stock.

San Francisco Mountains National Park—W. J. Parker of Williams was granted a permit to occupy and enclose 40 acres of land for the purpose of general farming.

Santa Catalina National Forest—Z. T. Vail of Tucson was granted a permit to occupy and maintain an enclosure containing 40 acres of government land for the purpose of pasturing saddle horses and beef steers.

San Francisco Mountains National Forest—Campbell, Francis & Co. of Flagstaff were granted a permit to occupy and enclose 160 acres of land for pasture purposes.

Mount Graham National Forest—G. H. Nash and H. J. Brinkerhoff of Safford were granted a permit to occupy, enclose and cultivate seven acres of land.

Black Mesa National Forest—Z. B. Decker of Taylor was granted a permit to construct a corral, enclosing not exceeding one-fourth acre of land, for the purpose of gathering cattle.

San Francisco National Forest—A. J. Diamond of Flagstaff was granted a permit to occupy and enclose 160 acres of land for the purpose of pasturing saddle horses and beef steers.

### Bardell Doing Well in Canyon

W. J. Bardell, formerly an engineer at Needles, is making good headway with his claims in the Canyon, not far from the Fortuna mine.

Mr. Bardell first grub-staked a man named Smith, then, soon after locations were made, tackled the job himself. It did not take long to make such a showing as to enable him to make a return trip to Needles and to enlist the assistance of a banker there in the formation of a company and putting the work on a sound financial footing. The main shaft is down below 60 feet and in very satisfactory ore.—Searchlight Bulletin.

T. E. Pulliam returned Tuesday from Prescott, where he has been for the past two weeks. During his stay in that place he interviewed General Passenger Agent Hastings of the Phoenix railroad on the subject of obtaining a reduced round trip rate from Phoenix to Flagstaff during the summer months. Mr. Hastings was of the opinion that a satisfactory rate could be obtained and now has the matter under consideration and the result will be known in a few days.

Mail one of Funston's view books of Flagstaff to your friends in the east. The book contains fourteen handsome views of scenes of points of interest in and around Flagstaff. The book sells at 25c. in envelope ready for mailing.

## Local and Personal

Souvenir post cards of Flagstaff at Funston's.

H. S. Wilson is in Chicago, Ill., visiting friends and relatives.

Souvenir folding post cards, views of Flagstaff, at Funston's.

G. T. Duncan and wife of Hackberry were visitors here this week.

R. B. Walton returned from a trip to Phoenix yesterday.

Born, in Milton on May 2, 1907, to the wife of M. J. Riordan, a son.

Born, in Milton, Arizona, on May 7, 1907, to the wife of J. E. Rains, a son.

C. H. Schulz and family returned Monday from Phoenix, where they have been spending some months.

Thos. Reece, who has been at Phoenix during the winter, returned yesterday.

Todd C. Woodworth, manager of the Anita copper mines at Anita, spent Saturday here.

Mrs. R. M. McKinnon and little daughter left Tuesday on a month's visit with friends in San Francisco, Cal.

The Ruffin drug store has moved to its new quarters in the Verkamp building, and the new store is an attractive one.

Work on the new postoffice building has been resumed, and will be continued until the building is completed.

G. W. Jakle is now the cashier at the Santa Fe depot. Mr. Jakle was formerly at Oakland, Cal., and at Williams in the same capacity.

J. C. McGuyre and Wm. Miller left this morning for Utah, where they expect to buy sheep. They do not expect to return until fall.

Jake Spitz, who has traveled through Arizona for the past twenty years, was here Monday for the first time since the San Francisco earthquake.

The Informal Literary society will meet at the residence of Mrs. Eunice Bullard, on Friday evening, May 7, at 8 o'clock. A cordial invitation is extended to all.

Miss Elizabeth Coates, of Phoenix, has taken the place of Miss Walker, during her vacation, as stenographer at the Arizona Central Bank.

C. A. Keller has had his place of business renovated, and is now waiting for the weather to get warm enough to start his soda water fountain.

Edw. Gruensfeld, who used to be a frequent visitor to Flagstaff, spent several days here this week. Mr. Gruensfeld is now a resident of New York.

C. H. McClure, who is engaged in mining operations in the vicinity of Needles, Cal., came in yesterday and is renewing his acquaintance among his old friends here.

F. S. Breen and H. E. Campbell are the only Flagstaff Shriners who are attending the big convention of Shriners held in Los Angeles this week. It is estimated that twenty thousand members of the organization are in attendance.

Rev. C. T. Moffett and brother, Dr. Moffett, and Dr. Lee, a missionary from Corea, were visitors here Friday. In company of Rev. F. C. Reid they visited the Cliff dwellings, and continued their journey east the same evening.

## STOPOVER PRIVILEGES

Allowed by Santa Fe on All Classes of Tickets—Tourists Can Stop at Flagstaff.

Mr. Percival Lowell has received information from W. J. Black, passenger traffic manager of the Santa Fe railroad, that arrangements have been made to allow stopovers on all classes of tickets at Flagstaff.

This privilege has been sought by the people of Flagstaff for some time and has largely through the efforts of Mr. Lowell been secured, and the concession will be appreciated by our people, as it will give tourists and others an opportunity to see the many attractions of Flagstaff and vicinity.

The following instructions have been issued to agents and conductors of the Santa Fe:

Stopovers at Adamana, Holbrook, Flagstaff and Williams, Ariz., and Merced, Cal.—Stopovers will be allowed as long as desired, on all classes of tickets, regardless of limits, at Adamana and Holbrook, Ariz.—to enable passengers to visit the Petrified Forest—at Williams and Flagstaff, Ariz.—to enable passengers to visit the Grand Canyon—and at Merced, Cal.—to enable passengers to visit the Yosemite Valley. Agents at those stations will extend limit of tickets if necessary. These points are on A. T. and S. F., Coast Lines, but the information is given that you may answer inquiries from passengers.

A. J. McKelvey, of Tucson, and connected with the Arizona Bank and Trust company, is a visitor here. He expects to remain several weeks here. He says that Tucson is prospering and still maintains its lead as the metropolis of Arizona.

C. A. Greenlaw left Sunday to attend the funeral of Howard Jordan at Los Angeles. Mr. Jordan was taken ill at Williams and was taken to Los Angeles for treatment, but died a short time after reaching that city. He was well known here, and was a half brother of C. A. Greenlaw.

Frank Beasley and bride, arrived here from Los Angeles, Cal., where they have been spending the time since their marriage last month. They left yesterday for Cordes, where his bands of sheep are ranging. They expect to return here in a few weeks to remain during the summer.

The entertainment at the Emerson hall Tuesday night under the auspices of the Town Improvement society, for some reason did not draw the audience that the attractions should have done. Mr. Jay Plowe, flute soloist, the principal attraction of the evening, is an artist of rare ability in his line. Mr. Plowe spent a couple of days here and yesterday visited the Cliff dwellings, in Walnut canyon, and was highly pleased with his visit to Flagstaff.

The road down the Canyon to Oak creek has been widened in the curves around the projecting points in the canyon. The road is now in good shape and E. A. Sliker, who has had the looking after the road and its repair says that it is a very good road and will admit the easy passage of teams around the points which heretofore troubled the teamsters. The road is a decided advantage in trips to the canyon and should be appreciated by those who visit Oak creek.